

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1055	(84/192,291,193).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/21 09:57
L2	1	((textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (annual near4 ring or early adj wood or earlywood or latewood) and (sound\$3 or acoustic\$3 or soundboard)).clm.	US-PGPUB	OR	ON	2007/09/21 10:40
L3	5	((textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (annual near4 ring or early adj wood or earlywood or latewood) ).clm.	US-PGPUB	OR	ON	2007/09/21 10:41
L4	8	((textur\$3 or grain\$3 or compact\$3 or engrav\$3 or groov\$3 ) same (annual near4 ring or early adj wood or earlywood or latewood) ).clm.	US-PGPUB	OR	ON	2007/09/21 10:41
S1	290	(84/192).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/01 16:57
S2	735	(textur\$3 or grain\$3 or compact\$3 with (early adj wood or earlywood)) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:36
S3	0	(textured with sound with generated).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:28
S4	1	(textured with sound with generat\$3).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:28

## EAST Search History

S5	2	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) with (early adj wood or earlywood) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 08:38
S6	2	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (early adj wood or earlywood or latewood) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:39
S7	2	(textur\$3 or grain\$3 or compact\$3 or engrav\$3 or manufactur\$3) same (early adj wood or earlywood or latewood) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:02
S8	2	(early adj wood or earlywood or latewood) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 08:37
S9	3	(early adj wood or earlywood or latewood) and (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 17:08
S10	115	(early adj wood or earlywood or latewood)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:46
S11	58140	"84"/\$.cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:41
S12	1	S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:42

## EAST Search History

S13	6	((("5,969,301") or ("5,401,921") or ("4,821,839"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 15:43
S14	31	S10 and (sound or vibrat\$3 or resonan\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:50
S15	13	S10 and (acoustic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:50
S16	0	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) with (annual near4 ring with tree) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:18
S17	1	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (annual near4 ring with tree) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:54
S18	0	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (annual near4 ring with tree) same (sound\$3 or acoustic\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:54
S19	1	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (annual near4 ring with tree) same (sound\$3 or acoustic\$3 or soundboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:55
S20	4	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (annual near4 ring with wood) same (sound\$3 or acoustic\$3 or soundboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 10:39
S21	2	("3316684").URPN.	USPAT	OR	OFF	2007/01/26 15:56

## EAST Search History

S22	6	(annual near4 ring with wood) same (sound\$3 or acoustic\$3 or soundboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:59
S23	2	(annual near4 ring with wood) and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 15:59
S24	325	(181/293).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/26 15:59
S25	1	S24 and (annual near4 ring with (wood or tree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:00
S26	1	S24 and (early adj wood or earlywood or latewood)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:00
S27	19	(textur\$3 or compact\$3 or engrav\$3 or manufactur\$3) with grain same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:05
S28	3	grain near5 (woor or tree) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board) or acoustic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:05
S29	155	grain near5 (wood or tree) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board) or acoustic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:08

## EAST Search History

S30	76	grain near5 (wood or tree) with (soundboard or sound near4 (vibrat\$3 or generat\$3 or board) or acoustic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:08
S31	5	("4031798").URPN.	USPAT	OR	OFF	2007/01/26 16:10
S32	17	("3880040").URPN.	USPAT	OR	OFF	2007/01/26 16:11
S33	10	("5171616").URPN.	USPAT	OR	OFF	2007/01/26 16:14
S34	31	("2329366"   "2488555"   "2694025"   "3286784"   "3427915"   "3440919"   "3444956"   "3551270"   "3618442"   "3664911"   "3699836"   "3724312"   "3880040"   "3974730"   "4042745"   "4145948"   "4192213"   "4232067"   "4334452"   "4631218"   "4951542"   "4973507").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:15
S35	189	(textur\$3 or grain\$3 or compact\$3 or engrav\$3 or fashioning or shap\$4) with (soundboard or sound near4 (vibrat\$3 or generat\$3 or board)) same (wood or tree or lumber or quarter adj sawn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:33
S36	8	("4411186"   "4741238"   "5235891"   "5780758"   "5900561"   "6538183"   "6610915"   "6723908").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:25
S37	3	("4391177").URPN.	USPAT	OR	OFF	2007/01/26 16:30
S38	5	("4104945").URPN.	USPAT	OR	OFF	2007/01/26 16:31
S39	2	("3668295"   "4050341").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 16:31
S40	5	("4031798").URPN.	USPAT	OR	OFF	2007/01/26 16:32
S41	78	(textur\$3 or grain\$3 or engrav\$3) with (soundboard or sound near4 (vibrat\$3 or generat\$3 or board or plate)) and (wood or tree or lumber or quarter adj sawn) with (soundboard or sound near4 (vibrat\$3 or generat\$3 or board or plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:37
S42	75	(groove) with (soundboard or sound near4 (vibrat\$3 or generat\$3 or board or plate)) and (wood or tree or lumber or quarter adj sawn) same (soundboard or sound near4 (vibrat\$3 or generat\$3 or board or plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:37

## EAST Search History

S43	6	("3779126").URPN.	USPAT	OR	OFF	2007/01/26 16:40
S44	1	("1727637").URPN.	USPAT	OR	OFF	2007/01/26 16:44
S45	0	groove with earlywood	USPAT	OR	OFF	2007/01/26 16:46
S46	2	groove with earlywood	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:45
S47	0	indentation with earlywood	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:45
S48	0	channel with earlywood	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:45
S49	0	groove with (annual near5 ring with (wood or tree))	USPAT	OR	OFF	2007/01/26 16:46
S50	6	groove with (annual\$3 near5 ring with (wood or tree))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:48
S51	6	groove with (annual\$3 near5 ring with (wood\$3 or tree))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:49
S52	6	(groove or channel or indentation) with (annual\$3 near5 ring with (wood\$3 or tree))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:50

## EAST Search History

S53	4	(groove or channel or indentation) with (wood\$3 or tree) with stylus	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:57
S54	0	(groove or channel or indentation) with (wood\$3 or tree) with (shot near5 peening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:52
S55	3	(wood\$3 or tree) with (shot near5 peening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:54
S56	6	(wood\$3 or tree) with (particle near5 blasting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:56
S57	3	S56 and (sand\$3 or bead or dry near5 ice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:56
S58	482	(groove or channel or indentation) with (wood\$3 or tree) and (optic\$4 or laser or light) same (computer or micro adj processor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:58
S59	40	(groove) with (wood\$3 or tree) and (optic\$4 or laser or light) same (computer or micro adj processor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:58

## EAST Search History

S60	14	(groove or etch\$3 or engrav\$3) with (wood\$3 or tree) same (optic\$4 or laser or light) same (computer or micro adj processor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:59
S61	11	(groove or etch\$3 or engrav\$3) with (wood\$3 or tree) same (laser) same (computer or micro adj processor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 16:59
S62	13	(groove or etch\$3 or engrav\$3 or textur\$3) with (wood\$3 or tree) same (laser) same (computer or micro adj processor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 17:00
S63	20379	(form\$3 or shap\$4 or manufactur\$3 or making or construct\$3 or engrav\$3 or carv\$3 or fashion\$3) with (soundboard or sound near4 (vibrat\$3 or generat\$3 or board or plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 17:22
S64	1895	S11 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 17:23
S65	812	S64 and (guitar or violin or stringed near5 instrument)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 17:23
S66	52	quarter adj sawn	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 08:33
S67	15	S66 and (soundboard or sound near4 (vibrat\$3 or generat\$3 or board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 08:33



## EAST Search History

S68	174	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (early adj wood or earlywood or latewood or annual adj ring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 08:40
S69	108	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) same (early adj wood or earlywood or latewood or annual adj ring with (wood or tree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 08:41
S70	73	(textur\$3 or grain\$3 or compact\$3 or engrav\$3) with (early adj wood or earlywood or latewood or annual adj ring with (wood or tree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 08:42
S71	695	84/291.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/29 10:36
S72	982	(84/192,291).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/21 09:57
S73	3	textur\$3 with surface with (soundboard or sound adj board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 17:24
S74	17	grain with surface with (soundboard or sound adj board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 17:52
S75	5	protrusion with (soundboard or sound adj board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 17:53

## EAST Search History

S76	47	contour\$3 with (soundboard or sound adj board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 17:54
S77	6	("4362079").URPN.	USPAT	OR	OFF	2007/06/01 18:00
S78	10	("0567028"   "1361182"   "1807746"   "2414238"   "3435721").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/01 18:05
S79	3	("2414238").URPN.	USPAT	OR	OFF	2007/06/01 18:08
S80	1	(guitar or violin or stringed near4 instrument) and lumber with (soundboard or sound adj board or soundbox or sound adj box) same (rough or grainy or feel or protrusion or groove or ergonomical\$3) with (soundboard or sound adj board or soundbox or sound adj box or surface or top or side)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:16
S82	14	(guitar or violin or stringed near4 instrument) and wood with (soundboard or sound adj board or soundbox or sound adj box) same (rough or grainy or feel or protrusion or groove or ergonomical\$3) with (soundboard or sound adj board or soundbox or sound adj box or surface or top or side)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:19
S83	11	(guitar or violin or stringed near4 instrument) and plate with (soundboard or sound adj board or soundbox or sound adj box) same (rough or grainy or feel or protrusion or groove or ergonomical\$3) with (soundboard or sound adj board or soundbox or sound adj box or surface or top or side)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:19
S84	0	("5072642").URPN.	USPAT	OR	OFF	2007/06/01 18:24
S85	1	("4348933").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/01 18:24
S86	4	("4031798").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/04 10:04

## EAST Search History

S87	77	(84/193).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/04 10:17
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